

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Rocky Flats Site City/County: Jefferson Sampling Date: 8/21/13
 Applicant/Owner: DOE State: CO Sampling Point: FC1-1a (42a)
 Investigator(s): Jody Nelson Section, Township, Range: T2S, R70W, Sec. 10
 Landform (hillslope, terrace, etc.): borrow pit bottom Local relief (concave, convex, none): concave Slope (%): 1-2
 Subregion (LRR): G Lat: 750290.196007 Long: 2081669.749337 Datum: NAD83
 Soil Map Unit Name: mitigation area NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil X, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No X
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u>X</u> No <u> </u>	
Remarks: <u>mitigation area. New normal circumstances. former borrow pit bottom.</u>		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC-): <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size: <u>wetland</u>)				
1. <u>SAEX1</u>	<u><1</u>	<u> </u>	<u>FACW</u>	
2. <u>SAAM1</u>	<u><1</u>	<u> </u>	<u>FACW</u>	
3. <u>PODE1</u>	<u><1</u>	<u> </u>	<u>FAC</u>	
4. <u>TARAI</u>	<u><1</u>	<u> </u>	<u>FACW</u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>1</u> = Total Cover				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Herb Stratum (Plot size: <u>wetland</u>)				
1. <u>AGST1</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
2. <u>JUTO1</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>	
3. <u>POMO1</u>	<u>1</u>	<u> </u>	<u>FACW</u>	
4. <u>PAVI1</u>	<u>1</u>	<u> </u>	<u>FAC</u>	
5. <u>SCAC1</u>	<u>1</u>	<u> </u>	<u>OBL</u>	
6. <u>SCMA1</u>	<u><1</u>	<u> </u>	<u>OBL</u>	
7. <u>JUBA1</u>	<u><1</u>	<u> </u>	<u>FACW</u>	
8. <u>ELMA1</u>	<u>25</u>	<u>Y</u>	<u>OBL</u>	
9. <u>FEPRI</u>	<u><1</u>	<u> </u>	<u>FACU</u>	
10. <u>HOJUI</u>	<u>7</u>	<u> </u>	<u>FACW</u>	
<u>+ 7.75</u> <u>68.5</u> = Total Cover				
Woody Vine Stratum (Plot size: <u> </u>)				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
% Bare Ground in Herb Stratum <u>40</u>				
Remarks: <u><1 = 0.25%</u>				

Sampling Point: FCI-Ia (42a)

HYDROLOGY

Great Plains – Version 2.0

Wetland Determination Data Form - Great Plains Region
Extra Page for Vegetation Species

Date 8/21/13
Sampling Point FCI-Ia (42a)

Tree Stratum

	Scientific Name	Absolute % Cover	Dominant Species?	Indicator Status
11				
12				
13				
14				
15				

 = Total Cover

Sapling/Shrub Stratum

	Scientific Name	Absolute % Cover	Dominant Species?	Indicator Status
11				
12				
13				
14				
15				

 = Total Cover

Herb Stratum

	Scientific Name	Absolute % Cover	Dominant Species?	Indicator Status
36	ALCAI	2		FACU
37	ELCRI	2		FAC
38	ASLAI	<1		FACU
39	JULOI	<1		FACW
40	SPMEI	<1		FACU
41	ANGEI	<1		FACU
42	PHPRI	<1		FACU
43	AGSCI	<1		FAC
44	ANSCI	<1		FACU
45	ELCAI	<1		FACU
46	MEOFI	<1		FACU
47	GRSQI	<1		FACU
48	LASEI	<1		FAC
49	MEALI	<1		FACU
50	PLMAI	<1		FAC
51	ASPOI	<1		FACU
52	BRJAI	<1		FACU
53				
54				
55				
56				
57				
58				
59				
60				
61				

7.75 = Total Cover



Wetland Determination Data Form - Great Plains Region
Extra Page for Vegetation Species

Date _____
 Sampling Point _____

Tree Stratum

	Scientific Name	Absolute % Cover	Dominant Species?	Indicator Status
5				
6				
7				
8				
9				
10				

_____ = Total Cover

Sapling/Shrub Stratum

	Scientific Name	Absolute % Cover	Dominant Species?	Indicator Status
6				
7				
8				
9				
10				

_____ = Total Cover

Herb Stratum

	Scientific Name	Absolute % Cover	Dominant Species?	Indicator Status
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				

_____ = Total Cover

Over > ?

Wetland Qualitative Revegetation Evaluation Form

Form # _____

Date 8/21/13

Observer(s) Joey Nels

Location ID FC1-1a (42a)

Photographs taken today? ☒ Y ☐ N

Are desired wetland plant species present? ☒ Y ☐ N

Are there any issues regarding the establishment of the desired wetland species? Explain, if so.

no

Are the hydrologic conditions appropriate for successful establishment and sustainability of the wetland. If not, describe the problem/issue.

yes

Woody Plant Counts

Species	Stem Count	Height			Width		
		1	2	3	1	2	3
SAAMI	6	1.5'	1.5'	1.5'	1.5'	1.5'	2'
SAEX1	TN	3'	3'	2'	1.5'	1.5'	1'
PODE1	4	8"	8"	3'	2"	3"	1.5'
TARAI	2	3.5'	3'		3'	1.5'	

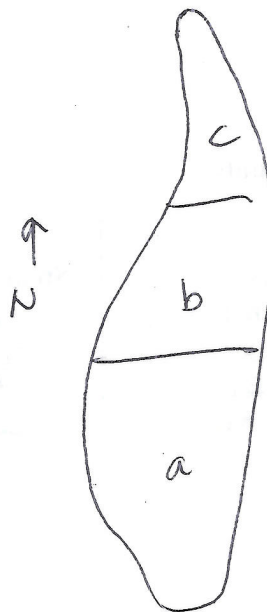
Noxious weed evaluation. See separate noxious weed evaluations conducted throughout the summer months (June – August).

Suggestions for management:

Control weeds as needed.

Other comments:

Area looks very good.



Completed by: Log K Ads -

[Signature]

Date 8/21/13